

Bureau offices, to study the instruments and equipment and receive informal instruction, as reported from the following offices:

Des Moines, Iowa, December 18, 1906, the physical geography class from the North High School.

Duluth, Minn., December 15, 1906, members of the physiography section of the Superior, (Wis.) State Normal School.

Kansas City, Mo., November 14, 1906, a class from Loretto Academy.

Little Rock, Ark., December 12, 1906, the science class from the Little Rock, High School.

Mobile, Ala., December 7, 1906, a section of the girls' class in physics from Barton Academy; also December 13, a section of the boys' class in physical geography from Barton Academy; also December 14, the class in physics from McGill Institute.

Raleigh, N. C., December 15, 1906, the physical geography class from Peace Institute.

San Jose, Cal., December 12, 1906, the physics class from the San Jose High School.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

H. H. KIMBALL, Librarian.

The following titles have been selected from among the books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be loaned for a limited time to officials and employees who make application for them.

American Association for the Advancement of Science.

Proceedings. 55th meeting, New Orleans, Dec., 1905-Jan., 1906. Washington, 1906. 589 pp. 8°.

Association Française pour l'Avancement des Sciences.

Compte rendu de la 34^{me} session. Paris. 1906. 1120 pp. 8°.

Bezold, Wilhelm von.

Gesammelte Abhandlungen aus den Gebieten der Meteorologie und des Erdmagnetismus. Braunschweig. 1906. viii, 448 pp. 8°.

Black, F. A.

Terrestrial magnetism and its causes... London. 1905. (12), 226 pp. 8°.

Börnstein, R[ichard].

Der neuerrichtete öffentliche Wetterdienst für Norddeutschland. (S. A. Verh. phys. Ges. Braunschw. 8 Jahrg. No. 20.) Braunschweig. 1906. Pp. [511]-513. 8°.

Die halbtägigen Schwankungen der Temperatur... (S. A. Verh. phys. Ges. Braunschw. 8 Jahrg. No. 20.) Braunschweig. 1906. Pp. [517]-518. 8°.

Bracke, A.

La densité de la neige. Bruxelles. 1906. 31 pp. 8°.

Mon baromètre. 2 ed. Mons. 1906. 20 pp. 8°.

La photographie des nuages. Mons. 1905. 28 pp. 16°.

La représentation des situations atmosphériques. Mons. 1904. 32 pp. 8°.

British East Africa. Agricultural Department.

Meteorological conditions. Leaflet 11. [Mombasa]. 1905. 4 pp. 12°.

Meteorological reports. 1904. n. p. 1905. 40 pp. 8°.

Same. 2d annual report. 1905. n. p. 1906. [24] pp. 8°.

Cafiero, Federico.

Il R. Istituto Nautico "Ruggero di Lauria" in Riposto. Riposto. 1905. 111, [3] pp. 4°.

Canada. Meteorological Service.

Report for... 1904. Ottawa. 1906. (18), 278 pp. 4°.

Crespin, J.

Le climat d'Alger au point de vue hivernal. (Extr. Compt. rend. Congrès Soc. savantes, 1905. Sciences.) Paris. 1905. 7 pp.

Exner, Félix M.

Grundzüge einer Theorie der synoptischen Luftdruck. Wien. 1906. 76 pp. 8°.

Fritzsche, Richard.

Niederschlag, Abfluss und Verdunstung auf den Landflächen der Erde. Inaug.-Diss... Halle-Wittenberg. Halle a S. 1906. [2], 54, [2] pp. 8°.

Hadden, David E.

Progress and problems of solar physics during the last fifty years. (Repr. Proc. Sioux City acad. sc., Alta, Iowa. v. 2.) [1906.] 6 pp. 8°.

Hogarth, David George.

...The penetration of Arabia... New York. [1904.] xiii, 359 pp. 12°.

Jeans, J. H.

The dynamical theory of gases. Cambridge. 1904. [4], 352 pp. 4°.

Johnston, Sir Harry.

Liberia. 2 vols. London. 1906. (28), 519; (16), 1183 pp. 8°.

Köppen, W.

Klimakunde. I. Allgemeine Klimalehre. Leipzig. 1906. 132, [2] pp. 24°.

Lenard, P.

Ueber Kathodenstrahlen... Leipzig. 1906. 44 pp. 8°.

Millot, C.

Brouillards de mars et gelées de mai. La lune rousse. (Extr. Bull. Soc. sc. Nancy.) Nancy. 1905. 10pp. 8°.

L'été de la Saint-Martin. (Extr. Bull. Soc. sc. Nancy.) Nancy. 1906. 8 pp. 8°.

Mitchell, J. Cairns.

Results of meteorological observations taken in Chester during 1904. (Repr. Proc. Chester soc. nat. sc., Chester. 1904-5.) n. p. [190?] 4, [4] pp. 8°.

Moedebeck, H. W. L.

Die Luftschiffahrt, ihre Vergangenheit und ihre Zukunft; insbesondere das Luftschiff im Verkehr und im Kriege. Strassburg. 1906. (6), 137 pp. 8°.

Neesen, Friedrich.

Die Sicherungen von Schwach- und Starkstromanlagen gegen die Gefahren der atmosphärischen Elektricität. Braunschweig. 1899. 120 pp. 8°.

Paris. Observatoire Municipal de Montsouris.

Annales. Tome 6. Paris. 1905. 495 pp. 8°.

Richard, L.

Géographie de l'Empire de Chine... Chang-hai. 1905. [18], 564, (22) pp. 12°.

Rodriguez de Prada, Angel.

Meteorologia dinamica. 2 ed. Madrid. 1902. vii, 158 pp. 4°.

Schoentjes, H.

Fleurs de la glace. Gand. 1905. 43 pp. 39 pl. 8°.

Sommer, Emil.

Die nicht auf den Meeresspiegel reduzierten Jahres-, Januar-, April-, Juli- und Oktober-Isothermen Deutschlands. Inaug.-Diss... Freiburg i. B. Mannheim. 1906. 83 pp. 8°.

Stützer, Arnold.

Vergleichende Temperaturmessungen zu Marburg a. d. L. und seine barometrische Meereshöhe. Inaug.-Diss... Marburg. 1906. 67 pp. 8°.

The voyage of the *Scotia*. Being the record of a voyage of exploration in Antarctic seas. By three of the staff. Edinburgh. 1906. (24), 375 pp. 8°.

Weise, W.

Die Kreisläufe der Luft nach ihrer Entstehung und in einigen ihrer Wirkungen. Berlin. 1896. 4, [2], 86 pp. 8°.

Zuntz, N. and others.

Hühnkklima und Bergwanderungen in ihrer Wirkung auf den Menschen. Berlin. 1906. xvi, 494 pp. 4°.

RECENT PAPERS BEARING ON METEOROLOGY.

H. H. KIMBALL, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —

Astrophysical Journal. Chicago. Vol. 24. Dec., 1906.

Very, Frank W. The temperature of the moon. Pp. 351-354.

Geographical Journal. London. Vol. 29. Jan., 1907.

— The Alps as a weather-parting. P. 84.

— Hoar-frost at high altitudes. [Note.] P. 95.

Journal of the Meteorological Society of Japan. Tokio. 25th year. Nov., 1906.

Sasaki, T. Result of examinations of the pulse-rate on Mount Fuji.

Nature. London. Vol. 75.

G., F. Scientific work on Mont Blanc. (Dec. 27, 1906.) Pp. 203-204.

Collins, F. G. Emerald green sky color. (Jan. 3, 1907.) P. 224.

Hann, Julius. Indian climatology. (Jan. 10, 1907.) Pp. 241-244.

London, Edinburgh, and Dublin Philosophical Magazine. London. 6 ser. Vol. 13. Jan., 1906.

Chree, C. Auroral and sun-spot frequencies. Pp. 149-164.

Popular Science Monthly. New York. Vol. 70. Jan., 1907.

Meier, Konrad. The sanitation of air. Pp. 19-32.